NuTone®

Architectural & Engineering Specifications
March 2004

Through-the-Wall Fan

MODEL: 8870

DESCRIPTION

- For baths up to 75 sq. ft.
- UL listed for use in tub/shower enclosures when used with GFI branch circuit wiring.
- Telescoping 7" diameter sleeve allows exact fit through wood or masonry walls from 4" to 9" thick. Required cutout: 7⅛" diameter.
- Louvered grille; all-aluminum exterior parts eliminate maintenance.
- Switch operated: turn fan on and aluminum spring-sealed damper opens automatically; provides weather seal when fan is not operating.
- Refer to NuTone's catalog for a complete listing of accessories to effectively adapt this Fan to your construction requirements.

DESIGN FEATURES

Air Delivery: 80 CFM.
Sound Level: 6.0 Sones.
Dimensions: **Grille:** 8 11/16" x 9½".
Outside Sleeve: 6 31/32" ID x 5 11/16".
Flash Plate: 10" square
Hood Extension: 5 7/16" from wall.

Material & Finish: **Grille:** White polymeric, pebble-grain finish.
Inside Sleeve: Galvanized steel.
Outside Sleeve: Aluminum.
Flash Plate & Hood Assembly: Aluminum.

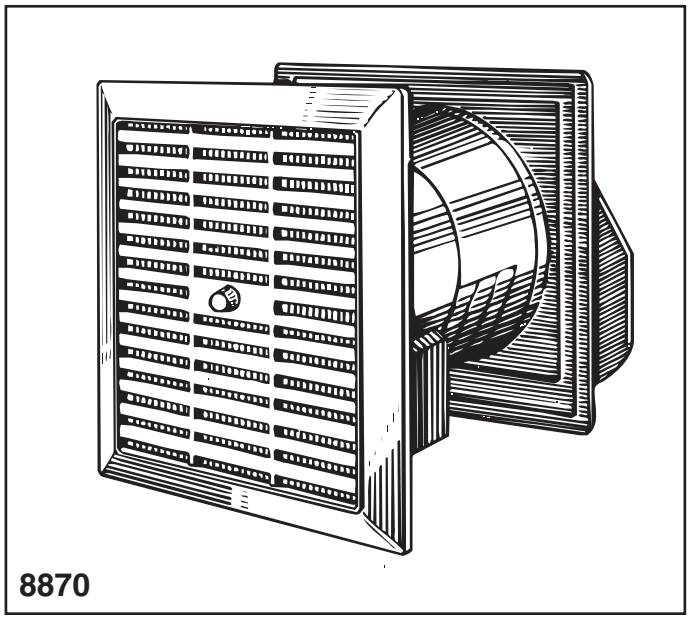
Motor: Plug-in, Thermally protected.

Fan Blade: One-piece polymeric, 5-leaf.

Electrical Rating: 120v, 60Hz, 1.5Amp

ARCHITECT'S SPECIFICATIONS

Through-the-Wall Fan shall be NuTone Model Number 8870 as manufactured by NuTone according to listed specifications. Unit shall ventilate 80 CFM at .03" S.P. at a sound level of 6.0 Sones. Unit shall be equipped with aluminum flash plate and hood and includes adjustable telescoping 7" diameter wall sleeve.



8870

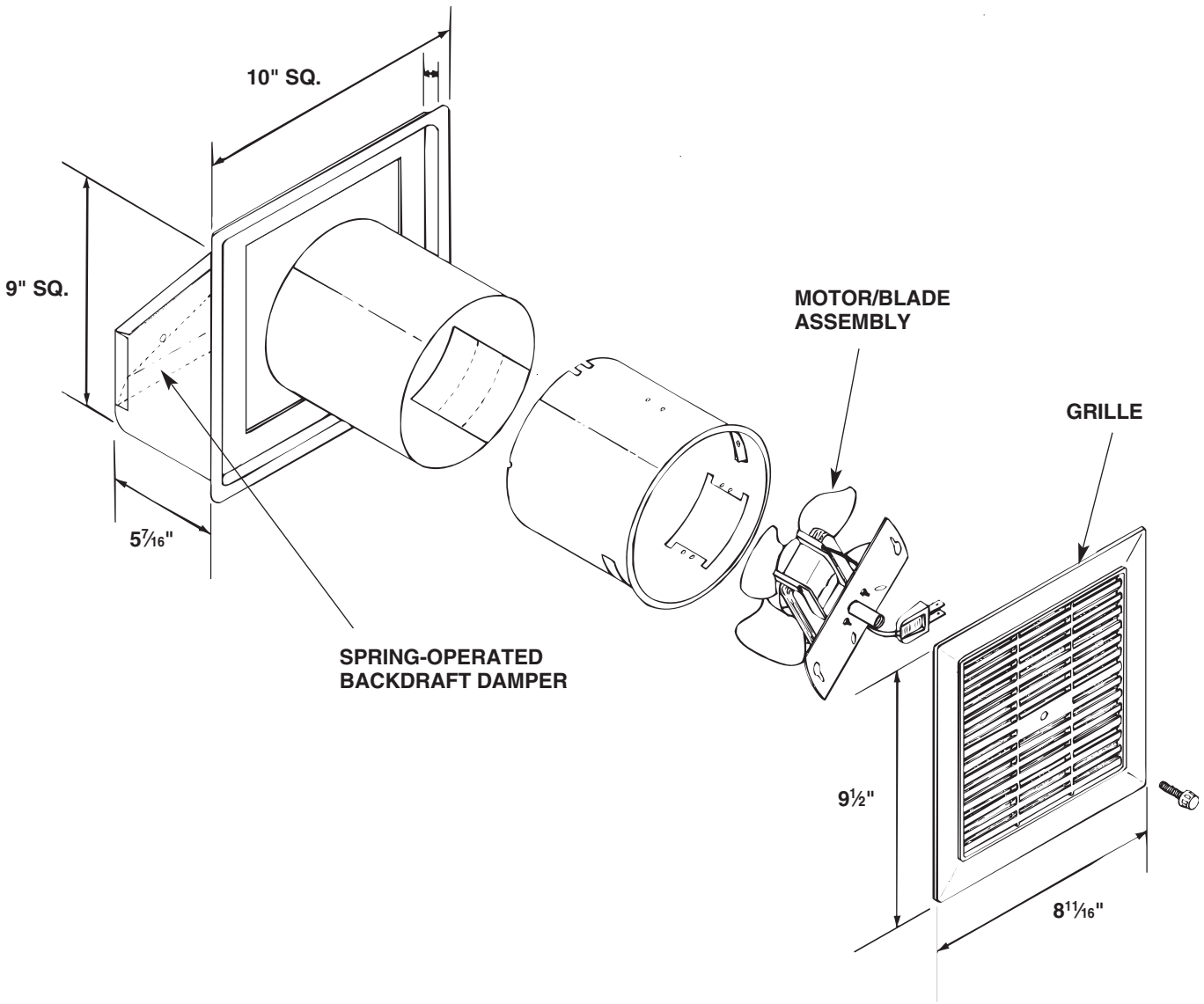
INSTALLATION

- Not for use in kitchens.
- Wall sleeve assembly is installed during rough-in stage of construction. Removable outlet box may be wired at rough-in stage and may be mounted behind plaster or drywall. Includes three (3) wiring knockouts.
- Motor and blade assembly installs quickly over screws mounted on sleeve. Spring-operated aluminum backdraft damper opens automatically when fan is turned on; closes quietly when unit is turned off. Grille installs with thumbscrew provided.
- Features weather seal when fan is not operating. Timer switch sold separately.
- Installation instructions included with each unit.

CERTIFIED TEST DATA

HVI-2100 CERTIFIED RATINGS comply with new testing technologies and procedures prescribed by the Home Ventilating Institute, for off-the-shelf products, as they are available to consumers. Product performance is rated at 0.1 in. static pressure, based on tests conducted in AMCA's state-of-the-art test laboratory. Sones are a measure of humanly-perceived loudness, based on laboratory measurements. This NuTone model is listed by Underwriters' Laboratories Inc.

DIMENSIONAL DRAWING



Product specifications subject to change without notice.

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